

Remarks

Claims 1-6 and 8-10 are currently pending in the Application.

Summary of claim amendments

This response amends Claim 1 to clarify the language of the claim and to recite “a first electrode with a first end and two symmetric first lateral sides connecting with the first end, formed on the first substrate, wherein the length of the first end is less than the length of the two symmetric first lateral sides; and a second electrode with a second end and two symmetric first lateral sides connecting with the second end, formed on the first substrate, wherein the length of the second end is less than the length of the two symmetric first lateral sides connecting with the second end, the first end facing the second end with a discharge gap therebetween” instead of “a first electrode with a first end and two symmetric first lateral sides connecting with the first end, formed on the first substrate; and a second electrode with a second end and two symmetric first lateral sides connecting with the first end, formed on the first substrate, the first end facing the second end with a discharge gap therebetween.” Support for the amendments can be found, for example, in Figures 3 and 4a. No new matter has been added.

This response also amends Claim 10 to clarify the language of the claim. No new matter has been added.

Claim objections

The Examiner objects to Claim 1 for reciting “a second electrode with a second end and two symmetric first lateral sides connecting with the first end” instead of “a second electrode with a second end and two symmetric first lateral sides connecting with the second end.” Applicants submit that Claim 1 has been amended as requested by the Examiner and request that the rejection be withdrawn.

The Examiner objects to Claim 10 for allegedly reciting “fourth electrodes” instead of “third electrodes.” Applicants respectfully note that Claim 10 does not recite “fourth electrodes” as alleged by the Examiner. On the contrary, Claim 10 recites “four electrodes.” Because Claim 10 recites “four electrodes” there is no need to amend Claim 10 to recite “third electrodes” as suggest by the Examiner. Applicants respectfully request that the rejection be withdrawn.

35 U.S.C. §102(e) Rejection

Claims 1-3 and 8-10 stand rejected under 35 U.S.C. §102(e) as being anticipated by Kim (U.S. Patent No. 6,704,083). Applicants respectfully disagree.

The Examiner is reminded that “[a] claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference.” MPEP 2131 quoting *Verdegaal Bros. V. Union Oil Co, of California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). The Examiner is also reminded that “[the] identical invention must be shown in as complete detail as is contained in the ... claim.” MPEP 2131 quoting *Richardson v. Suzuki Motor Co.*, 868 F.2d 1226, 1236, 9 USPQ2d 1913, 1920 (Fed. Cir. 1989). Applicants submit that Kim does not teaches each and every element as set forth in the rejected claims. In particular:

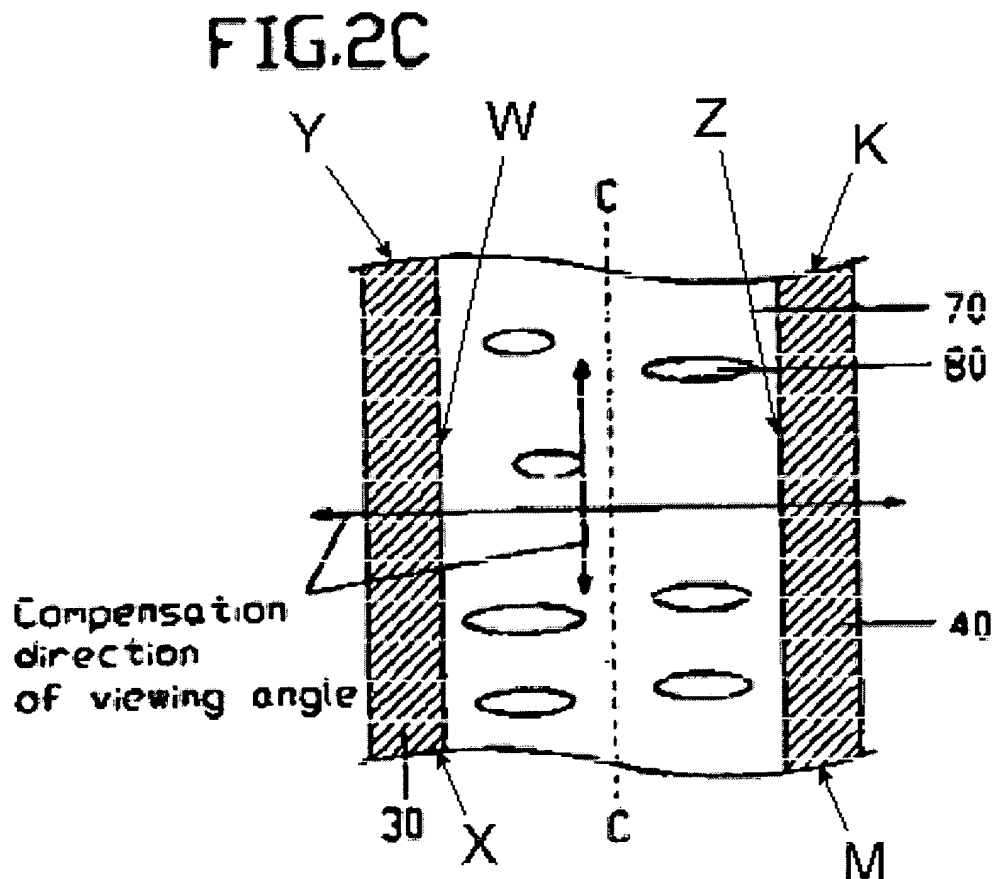
Claim 1

Applicants submit that Kim does not discloses, suggests or teaches, *inter alia*, the following features recited by amended Claim 1 of the present application:

“a first electrode with a first end and two symmetric first lateral sides connecting with the first end, formed on the first substrate, wherein **the length of the first end is less than the length of the two symmetric first lateral sides**; and a second electrode with a second end and two symmetric first lateral sides connecting with the second end, formed on the first substrate, wherein **the length of the second end is less than the length of the two symmetric first lateral sides** connecting with the second end, **the first end facing the second end** with a discharge gap therebetween” (emphases added)

Referring to Kim’s Figure 2C reproduced below, the Examiner asserts that “a first

electrode" as recited in Claim 1 is disclosed by Kim's electrode "30." See page 3, lines 7-8 of the Official Action. The Examiner also asserts that "a second electrode" as recited in Claim 1 is disclosed by Kim's electrode "40." See page 3, line 9 of the Official Action. Applicants respectfully traverse the Examiner's assertion.



According to Kim's Figure 2C reproduced above, the facing ends marked by reference letters "W" and "Z," added for clarity, of electrodes "30" and "40" are longer than the lateral sides marked by reference letters "Y," "X," "K," and "M," added for clarity. Because the facing ends "W" and "Z" are longer than the lateral sides "Y," "X," "K," and "M," Kim does not teach disclose or suggest "the length of the first end is less than the length of the two symmetric first lateral sides; ... the length of the second end is less than the length of the two symmetric first lateral sides" (emphasis added) as recited in

amended Claim 1.

Hence, Claim 1 is patentable over Kim and should be allowed by the Examiner. Claims 2-3 and 8-9, at least based on their dependency on Claim 1, are also believed to be patentable over Kim.

Claim 10

A. Applicants submit that Kim does not disclose, suggest or teach, *inter alia*, the following features recited by amended Claim 1 of the present application:

“**four** electrodes disposed” (emphases added)

Referring to Kim’s Figure 2B and 3B reproduced below, the Examiner asserts that Kim teaches “four electrodes disposed on the first substrate and at corners of each display cell” as recited in Claim 10. See page 4, third paragraph of the Official Action.

Applicants respectfully traverse the Examiner’s assertion.

FIG. 2B

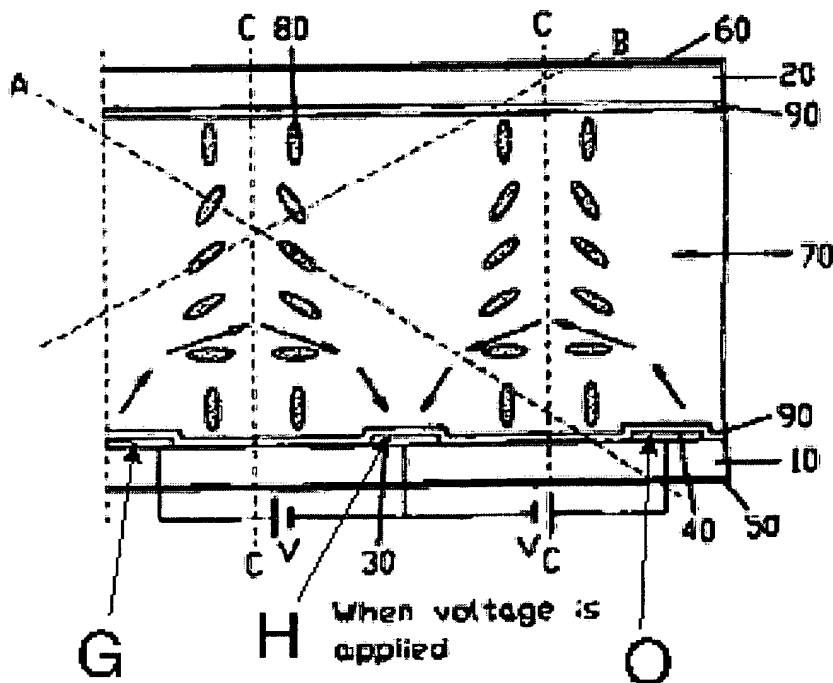
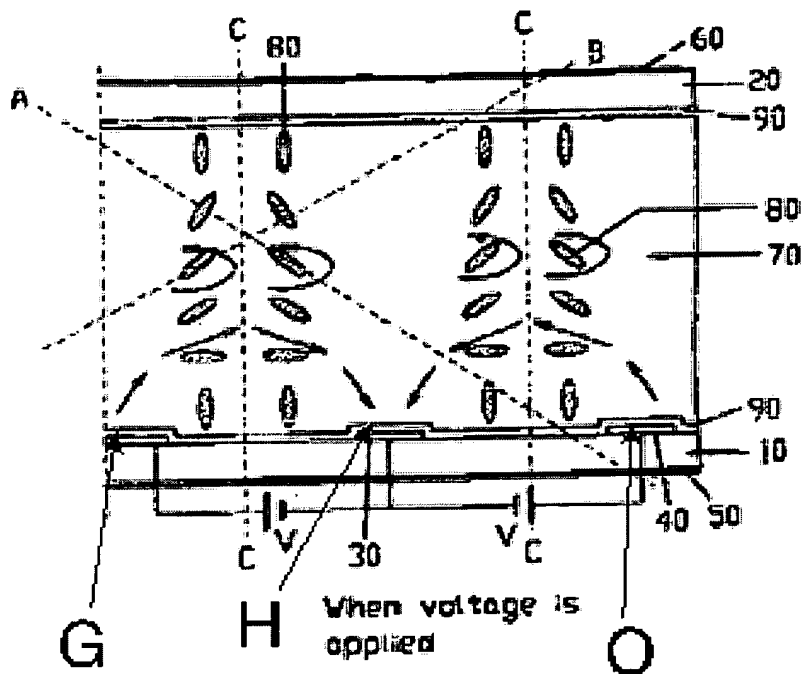


FIG.3B

According to Kim's Figures 2B and 3B reproduced above, each display cell only contains three electrodes marked by reference letters "G," "H," and "O," added to clarity. Because Kim discloses only three electrodes "G," "H," and "O," Kim does not teach disclose or suggest "four electrodes" as recited in Claim 10. Hence, Claim 10 is patentable over Kim and should be allowed by the Examiner.

If the Examiner does not agree with Applicants' interpretation of Kim, Applicants respectfully request that the Examiner comply with 37 C.F.R. §1.104(c)(2) and "designate as nearly as practicable" where Kim's Figures 2B and 3B disclose "four electrodes" as recited in Claim 10.

A. Applicants submit that Kim does not disclose, suggests or teaches, *inter alia*, the following features recited by amended Claim 1 of the present application:

“four electrodes disposed on the first substrate and at corners of each display cell” (emphases added)

According to Kim’s Figures 2B and 3B reproduced above, each display cell only contains three electrodes “G,” “H,” and “O,” wherein electrode “H” is disposed between electrodes “G” and “O.” Because Kim’s electrodes “G,” “H,” and “O” are not disposed at the corners of the display cell, Kim does not teach disclose or suggest “four electrodes disposed ... at **corners** of each display cell” as recited in Claim 10. Hence, Claim 10 is patentable over Kim and should be allowed by the Examiner.

If the Examiner does not agree with Applicants’ interpretation of Kim, Applicants respectfully request that the Examiner comply with 37 C.F.R. §1.104(c)(2) and “designate as nearly as practicable” where Kim’s Figures 2B and 3B disclose “electrodes disposed ... at **corners** of each display cell” (emphasis added) as recited in Claim 10.

35 U.S.C. §103(a) Rejection

Claims 4-6 stand rejected under 35 U.S.C. §103(a) as being obvious in view of Kim (U.S. Patent No. 6,704,083), in view of Wiltshire ((U.S. Patent No. 5,313,562) and further in view of Kim (U.S. Patent No. 6,642,985). Applicants respectfully disagree.

Applicants submit that Claims 4-6, at least based on their dependency on Claim 1, are believed to be patentable over Kim ‘083, Wiltshire and Kim ‘985, because there is no prima facie 35 USC 103(a) case based on Kim ‘083, as shown above, and because the Examiner has not shown where Wiltshire and Kim ‘985 disclose, teach or suggest the features not found in Kim ‘083.

Conclusion

In view of the above, reconsideration and allowance of all the claims are respectfully solicited.

The Commissioner is authorized to charge any additional fees which may be required or credit overpayment to deposit account no. 12-0415. In particular, if this response is not timely filed, then the Commissioner is authorized to treat this response as including a petition to extend the time period pursuant to 37 CFR 1.136 (a) requesting an extension of time of the number of months necessary to make this response timely filed and the petition fee due in connection therewith may be charged to deposit account no. 12-0415.

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July 28, 2006

(Date of Deposit)

Susan Papp

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July 28, 2006

(Date)

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